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ACCESSION NUMBER: 1997-202624 [18] WPINDEX
DOC. NO. CPI: C1997-064850 [18]
TITLE: Novel polymeric micelle drug composition - allows
solubility of a hydrophobic drug, which can be
delivered
by sustained-release
DERWENT CLASS: A25; A96; B02; B07; P32
INVENTOR: BAE C; BAE C M; CHANG E; CHANG E K; CHANG E O; JANG E;
KIM S; KIM S C; PAI C; PAI C M; SONG I; SONG I S
PATENT ASSIGNEE: (SAMY-N) SAM YANG CO LTD; (SAMY-N) SAMYANG CO LTD;
(SAMY-N) SAMYANG CORP
COUNTRY COUNT: 28

PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN IPC
WO 9710849	A1	19970327	(199718)*	EN	32[4]	
AU 9670980	A	19970409	(199731)	EN		
KR 97014759	A	19970428	(199817)	KO		A61K009-127
EP 854731	A1	19980729	(199834)	EN		
JP 10512287	W	19981124	(199906)	JA	39	A61K047-34 <-
AU 699988	B	19981217	(199911)	EN		
CN 1197396	A	19981028	(199911)	ZH		A61K047-34
MX 9802156	A1	19981101	(200022)	ES		A61K047-34
KR 180334	B1	19990320	(200043)	KO		
US 6322805	B1	20011127	(200175)	EN		
CA 2231886	C	20020319	(200228)	EN		
EP 854731	B1	20030122	(200308)	EN		
DE 69625921	E	20030227	(200323)	DE		
ES 2188787	T3	20030701	(200347)	ES		
MX 218901	B	20040203	(200474)	ES		
JP 3634377	B2	20050330	(200522)	JA	13	A61K047-34
CN 1214818	C	20050817	(200647)	ZH		A61K047-34

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 9710849	A1	WO 1996-KR163	19960921
KR 97014759	A	KR 1995-30981	19950921
KR 180334	B1	KR 1995-30981	19950921
AU 9670980	A	AU 1996-70980	19960921
AU 699988	B	AU 1996-70980	19960921
CA 2231886	C	CA 1996-2231886	19960921
CN 1197396	A	CN 1996-197134	19960921
DE 69625921	E	DE 1996-625921	19960921
EP 854731	A1	EP 1996-932066	19960921
EP 854731	B1	EP 1996-932066	19960921
DE 69625921	E	EP 1996-932066	19960921
ES 2188787	T3	EP 1996-932066	19960921
EP 854731	A1	WO 1996-KR163	19960921
JP 10512287	W	***WO 1996-KR163	19960921***
US 6322805	B1 CIP of	WO 1996-KR163	19960921
CA 2231886	C	WO 1996-KR163	19960921
EP 854731	B1	WO 1996-KR163	19960921
DE 69625921	E	WO 1996-KR163	19960921

MX 218901 B
 JP 3634377 B2
 JP 10512287 W
 JP 3634377 B2
 US 6322805 B1 CIP of
 MX 9802156 A1
 MX 218901 B
 US 6322805 B1
 CN 1214818 C

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 JP 1997-512608 19960921
 JP 1997-512608 19960921
 US 1998-43036 19980309
 MX 1998-2156 19980319
 MX 1998-2156 19980319
 US 2000-547545 20000412
 CN 1996-197134 19960921

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PATENT NO	KIND	PATENT NO
AU 699988 B	Previous Publ	AU 9670980 A
DE 69625921 E	Based on	EP 854731 A
ES 2188787 T3	Based on	EP 854731 A
JP 3634377 B2	Previous Publ	JP 10512287 W
AU 9670980 A	Based on	WO 9710849 A
EP 854731 A1	Based on	WO 9710849 A
JP 10512287 W	Based on	WO 9710849 A
AU 699988 B	Based on	WO 9710849 A
CA 2231886 C	Based on	WO 9710849 A
EP 854731 B1	Based on	WO 9710849 A
DE 69625921 E	Based on	WO 9710849 A
MX 218901 B	Based on	WO 9710849 A
JP 3634377 B2	Based on	WO 9710849 A

PRIORITY APPLN. INFO: KR 1995-30981 19950921
 WO 1996-KR163 19960921

INT. PATENT CLASSIF.:

MAIN: A61K047-34; A61K009-127
 IPC RECLASSIF.: A61K0031-335 [I,A]; A61K0031-335 [I,C]; A61K0038-00
 [I,A]
 ; A61K0038-00 [I,C]; A61K0047-34 [I,A]; A61K0047-34
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 ; A61K0009-107 [I,A]; A61K0009-107 [I,C]
 SECONDARY: A61K009-127
 ; A61K0009-51 [I,A]; A61K0009-51 [I,C]
 BASIC ABSTRACT:

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A polymeric micelle drug compsn. (A) is capable of solubilising a hydrophobic drug and comprises a micelle of a block copolymer having a hydrophilic component and a hydrophobic component, with a hydrophobic drug physically incorporated into the micelle. The hydrophobic component

is a biodegradable polymer selected from polylactide, polyglycolide, poly(lactide glycolide), polycaprolactone or mixts. The hydrophilic component is poly(alkylene oxide).

USE - (A) Allows for easier drug admin. by sustained release.

ADVANTAGE - Many different pharmaceuticals can be admin. as a polymeric drug compsn. (A) is simpler to make and does not induce immunoreactions. The admin. of the drugs is easier to control and it allows the hydrophobic drug to become soluble.

MANUAL CODE: CPI: A05-E02; A12-V01; B04-C03C; B04-C03D; B12-M10A